

RELYAEV, 1.N.; MESTEROVA, A.K.

The diagonal-adiagonal transition-type irreversibly reciprocal termary system of potassium and lead sulfates and tungstates.
Doklady Akad. Heak S.S.S.R. 86, 949-52 '52. (MLRA 5:11)

(CA 47 no.13:6237 '53)

1. Gosudarstvennyy universitet imeni V.M. Molotova, Rostov/on Don.

06/23/11: CIA-RDP86-00513R000204600034 BELYAYEV, I. N. tion. States that chem and spectral analysis indicate insignificant amt of admixts in the crystals so Curie point by the presence of impurities. Submitted by Acad D. V. Skobel'tsyn 16 Feb 52. soln, and one (III) obtained during exchange reac-USSR/Physics - Crystals, Temperature described certain varieties of BaTiO₂ monocrystals possessing cubic and rhombohedric symmetry at room A. L. Khodakov, Phys-Math Inst, Rostov-on-Don State U imeni Molotov that it is difficult to explain displacement in temps. In current article, investigates 3 sets of Ballio monocrystals: 2 (I and II) grown from a "Dok Ak Nauk SSSR" Vol LXXXIII, No 5, pp 675, 676 "Temperature Variations in Single BaTiO3 Crystals,"
I. N. Belyayev, N. S. Novosil'tsev, Ye. G. Fesenko, USSR/Physics - Crystals, Temperature
Variations In a previous work (ibid. Vol LXXVIII, 875, 1951) Variations (Contd) 11 Apr 52 11 Apr 52 218F81

USSN/Chemistry, Piezoelectrics - Barium Aug 52

"The Pusibility of the System BaCl₂-BaCO₃.

BafiO₃, "I. N. Belysyev, M. L. Sholokhovich

"Zhur Frik Khim" Vol 25, No 8, pp 818-825

Retablished, through a visual-polythermal investigation of the fissibility of the triple system, interval the area of the liquidus corresponds to cupying 0.1% of the area of the system; fiscl₂, occupying 0.1% of the area of the system; phases:

Cocupying 1.4% of the area of the system; phacl₂, occupying 1.4% of the area of the system; phacl₂, occupying 1.4% of the area of the system; phacl₂, occupying 1.4%, of the area of the system; phacl₂, occupying 1.4%, of the area of the system; phacl₂, occupying 1.4%, or and factions of BacO₂, phacO₃ and BafiO₃. The fields of crystu of BacO₂, phacO₃ and BafiO₃ or overerge in a triple entertic point of 9-25% of BafiC₃, and 11.25% of PacO₃.

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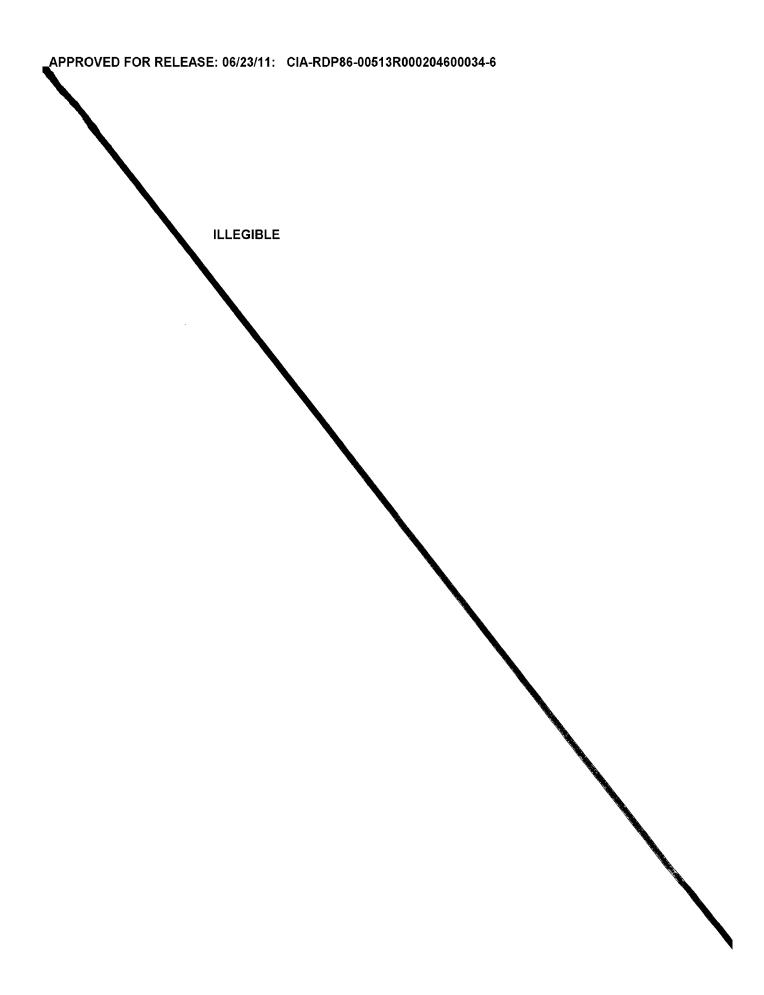
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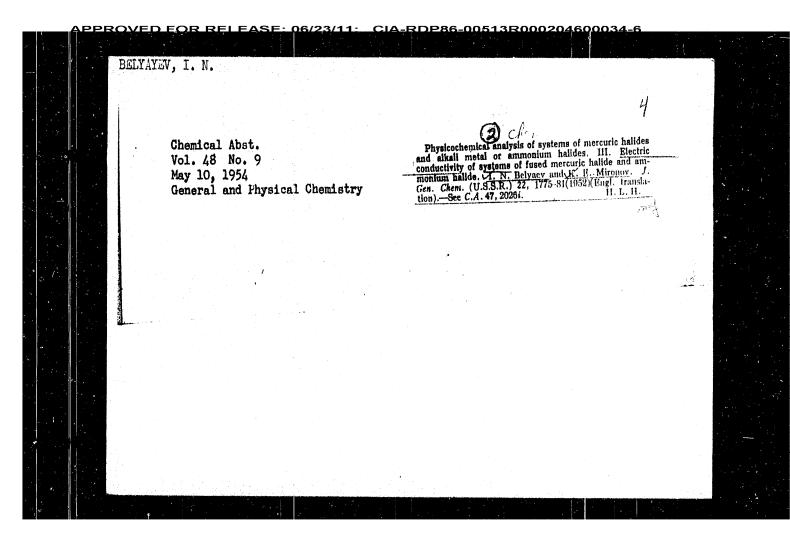
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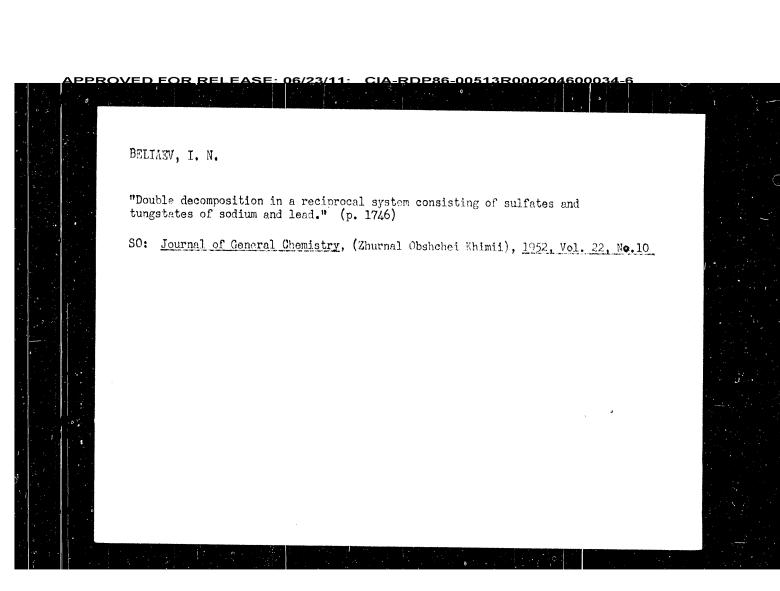
BELYAYEV, I.N.; SHOLOKHOVICH, M.L.

FUSINITY of the system K2003-Ma2003-BaT103. J. appl. Chem. USSR 152, 25, 657-662, (MLRA 5:7)

(BA-AI Je 153:507)







I. N. BELYAYEV 232T16 (3) NaI-HgI. In the system HgI. - NH,I, 2 compds are formed: 2NH,I-HgI, and 4NH,I-HgI. The abil-ity to form complexes and their stability increases HgBr₂. In the system HgBr₂ - NH_LBr, 5 compds are formed: NH_LBr·THgBr₂?, 2NH_L·9HgBr₂, 2NH_LBr·3HgBr₂, 2NH_LBr·HgBr₂, 4NH_LBr·HgBr₂. In the system HgI₂ - NeI, one compd is formed of the probable compa of alkali metal, but not for fodine systems creases sharply with increasing ionic radius mide systems the ability to form complexes in-NH₁I were studied using a visual-polythermal method. The systems HgBr₂ - KBr, and HgBr₂ - NH₁Br were studied with the aid of both visual-polythermal and thermal methods, whereupon heating and coolin the order I - Br - Cl. ing curves were plotted. In the system HgBr2 NaBr, 2 compds are formed whose compn is not formed: mown. "Zhur Obshch Khim" Vol 22, No 9, pp 1490-1497 Systems," I. N. Belyayev, K. Ye. Mironov, Cha. of Gen Chem, Rostov-on-Don State U imeni V. M. The systems HgBr2-NaBr, HgI2-NaI, HgI2-Ki, and HgI2-Mercury Halides and Alkali Metals and Ammonium Hal-Molotov ides. II. "Physicochemical Analysis of Systems Consisting of USSR/Chemistry - Solid Solutions, In the system HgBr, - KBr, 4 compds are KBr. 7HgBr2, KBr. 2HgBr2, KBr. HgBr2, 2KBr. Fusibility of Bromide and Iodide cury Compounds In chloride and bro-Mer-Chair 232T16 Sep 52

RDP86-00513R00020460003

in the system NH₆Cl - HgCl₂, 3 polymorphic trans-formations were found to take place in the temp range 203-213°.

cryoscopically from true mol wts with ionic

lished connecting deviations of mol wts obtained

radii of alkali metals with a 1:1 combination

order Li \rightarrow Na \rightarrow K \rightarrow NH_L. The system HgCl. - LiCl is of the same type as alk earth chlorides - mercuric chloride. A relationship was estab-

form complexes with increasing facility in the

- Lici

BELYAYEV, I. N.

232T**3**5

The following systems were studied using the fusion method: EgCl₂ - LiCl, EgCl₂ - NaCl, EgCl₂-KCl, and EgCl₂ - NH_hCl. Alkali metal chlorides

"Zhur Obshch Khim" Vol 22, No 9, pp 1484-1489

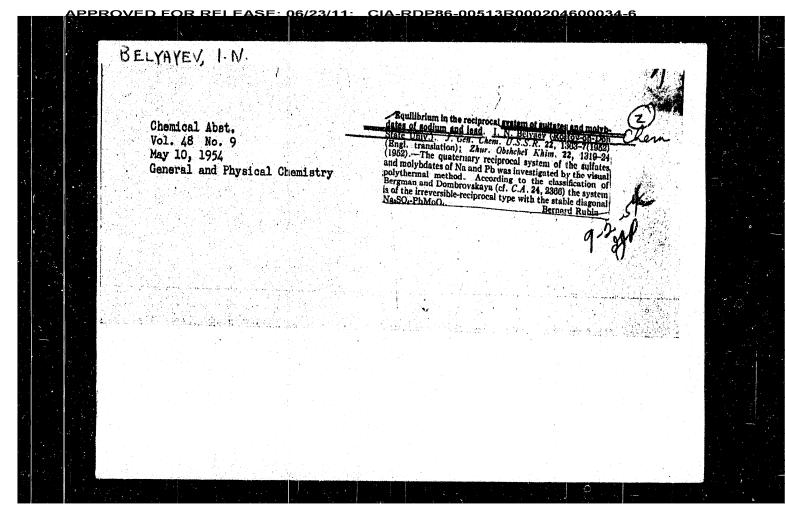
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Sep 55

Mercury Compounds

USSR/Chemistry -"Physicochemical Analysis of Systems Consisting Solid Solutions,

nium Halides. I. Fusibility of the Systems HgCl₂ - MeCl," I. N. Belyayev, K. Ye. Mironov, Rostov-on-Don State U imeni V. M. Molotov of Mercury Halides and Alkali Metals and Aumo-



APPROVED FOR RELEASE: 06/23/11 RDP86-00513R000204600034-6 BELYAYEV, I. N. increases in presence of V_2O_5 . The regions of the components recommended for obtaining large crystels of lead metatitanate and titanium dioxide are indicated. the system PbO-T102. USSR/Chemistry - Lead, Titanium, and of PbO, Pb2T104, 8 PbO·V205, 3 PbO·V205, of a compd with the general formula 10 PbO·V205.T102 which was obtained for the 1st time, TiO2, and regions of glass formation. Two incongruently melt-USSR/Chemistry - Lead, Titanium, and Vanadium Compounds "Funibility of Ternary System Lead Oxide - Vanadium Pentoxide - Titanium Dioxide," I. N. Belyayev, A. K. Diagram of fusibility shows the fields of crystn "Zhur Obshch Khim" Vol XXII, No 3, pp 396-403 Hesterova, Lab of Chem Phys, Rostov State U ing compds (2 Pb0.T102 and Pb0.T102) are formed in Vanadium Compounds (Contd) Stability of the metatitanate Mar 52 ME 209T 38 g

WELVAYEV, I. N.

USSE/Physics - Crystallography

Il Jun 51

"New Varieties of Monocrystalline Barium Titanate,"
I. N. Belyayev, N. S. Novosiltsev, A. L. Khodakov,
E. G. Fesenko

"Dok Ak Nauk SSSR" Vol LXXVIII No 5, pp 875-877

Obtained 3 new types of monocryst barium titanate in the lab from fused BaCl2 + BaCO3 + TiO2 within temp range of 1,200-7500. Dielec properties varied depending on methods of growing. Submitted by Acad G. S. Landsberg 4 Apr 51.

Chemical Abst.

Chemical Abst.

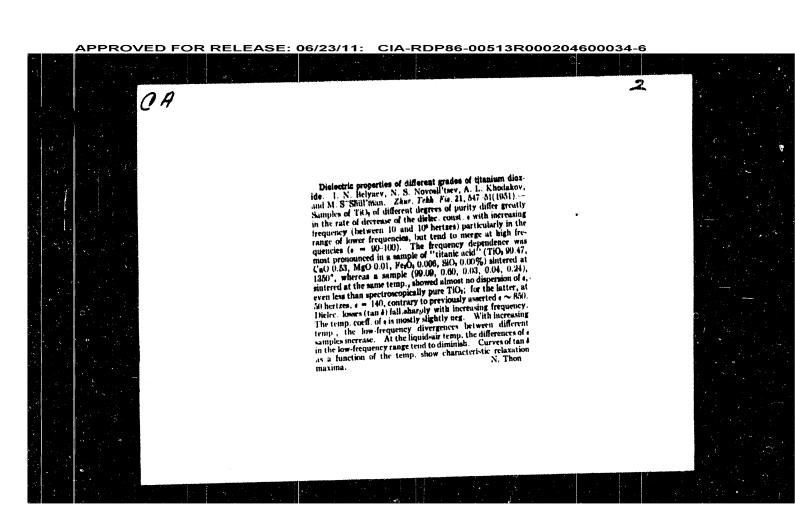
Vol. 48 No. 4

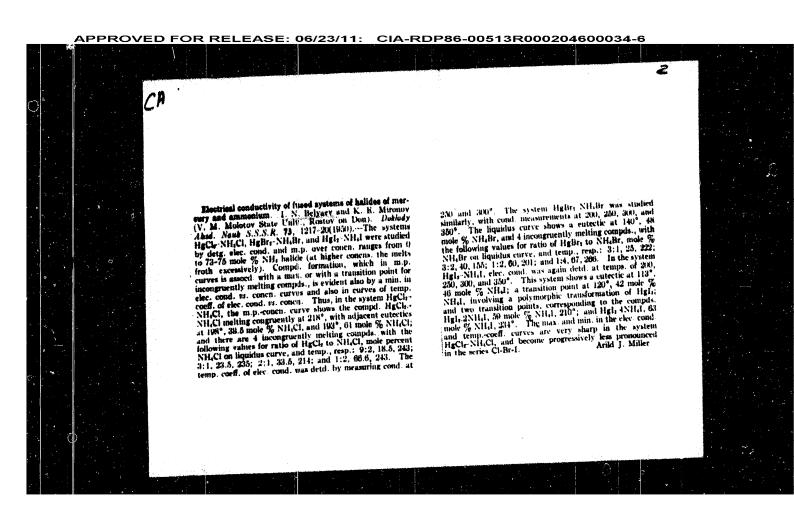
Feb. 25, 1954

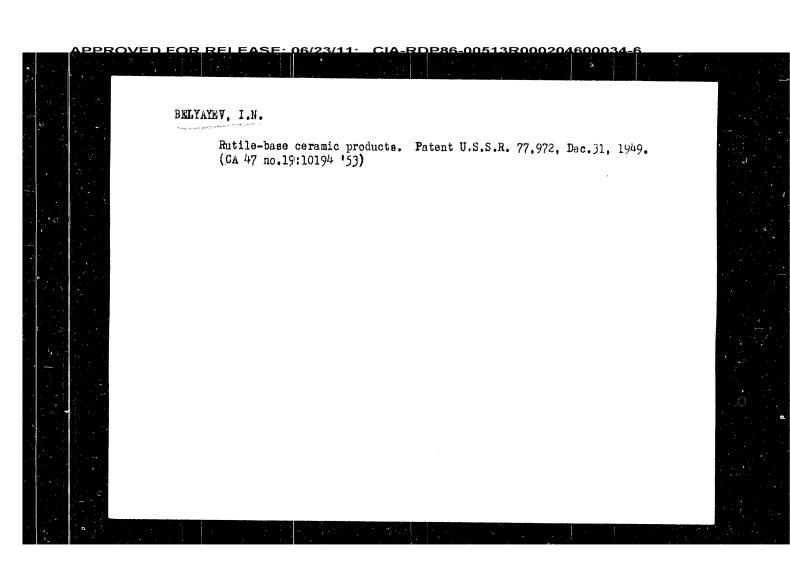
General and Physical Chemistry

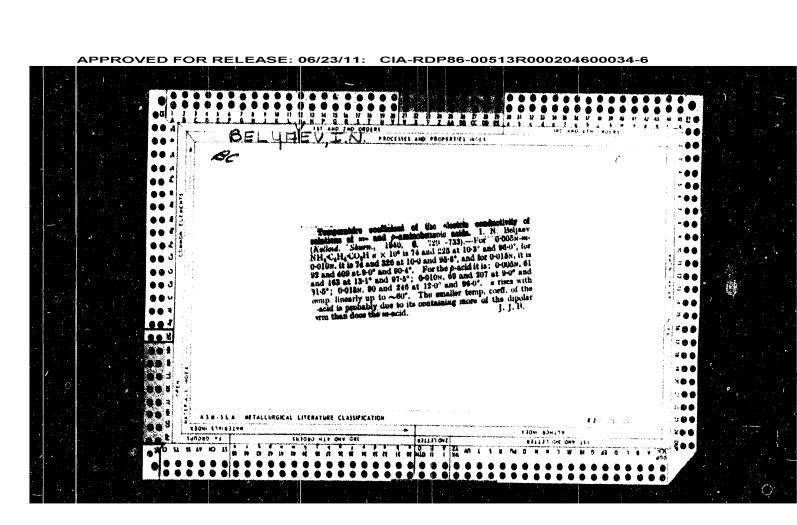
General and Physical Chemistry

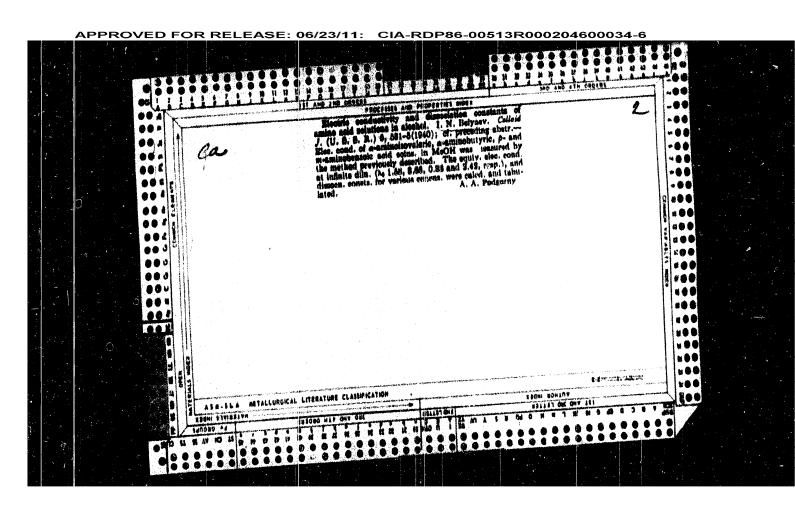
The system Na Cop-Rac(0, 1876), and the Cop-Rac(

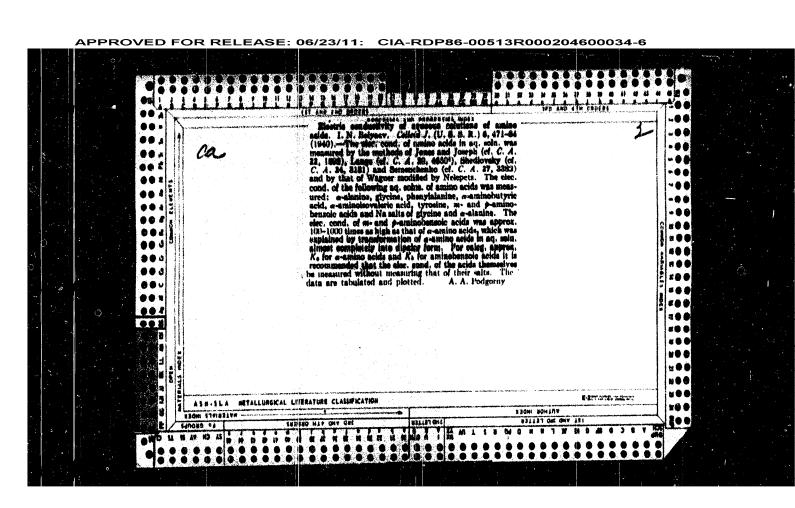


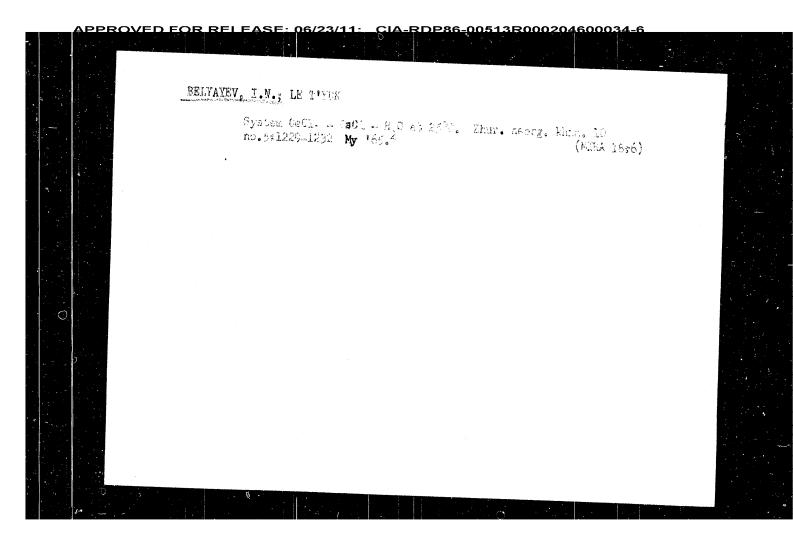












L 2287-66

ACCESSION NR: AP502273

(2PhRf03-PhN04 is formed. The compounds observed have pyrochlore-type crystal lattices, and the unit cells are expressed by the formulas Pb2(81,5%0.5)06.5 and the "Pb5n03" - PhN04 system at 600-900C and compacting pressure preceding the pressure of 100 kg/cm² and in the PhRg03 - PhN04 system at 600 and a compacting I figure and 3 tables.

ASSOCIATION: Rostovskiy-na-Donu gosudarstvennyy universitet (Rostov-on-Don Submitted: 24Mar65 ENCL: 00 SUB CODE: 10, Gc

NO REF SOV: 009

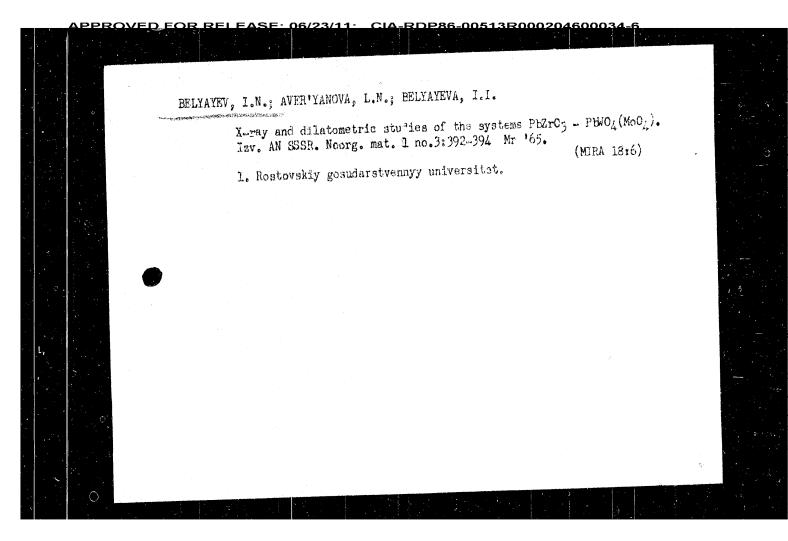
OTHER: 003

L 2287-66 EWP(e)/EWT(m)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) ACCESSION NR: AP 1022273 IJP(c) JD/JO UR/0363/65/001/007/1184/1188 541.123.2 AUTHOR: Belyayev, I. N.; Aver'yanova, L. N.; Belyayeva, I. I. TITLE: X-ray phase study of the systems "PbSnO3" - PbWO4, "PbSnO3" - PbMoO4, SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 7, 1965, TOPIC TAGS: lead compound, tin compound, tungsten compound, molybdenum compound, ABSTRACT: The paper continues a study of the nature of solid-state reactions in systems involving ferroelectrics and antiferroelectrics. The pressed and sintered samples were analyzed by X-ray powder techniques. It was found that in the "PbSn03" - PbW04 system (where "PbSn03" is a mixture of 50 mole % PbO and 50 mole 7. SnO₂), the compound 3PbSnO₃·PbWO₄ is formed at 700-900C. At 900C, the compound begins to decompose into the original components. In the PbRf03 - PbW04 system, if the pressing preceding the sintering is carried out under a pressure of no less than 100 kg/cm2 and the firing temperature is 800-1000C, the compound

BELYAYEV, 1.N.; MEDVEDEVA, L.I.; FESENKO, Ye.G.; KURPIYANOV, M.P.

Preparation and X.-ray structural study of molybdates of A.BMO6-type complex composition, lzv. AN SSR. Neorg. mat. 1 no.6:924.927 Je '65. (MIRA 18:8)

1. Rostovskiy gosudarstvennyy universitet.



PROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600034-6

SELYAYEV, I.

CONSOL

Source is report of E. A. Frieman and M. B. Gottlieb, on their visit to Moscow for the 2nd All-Union Gaseous Electronics Conference and a tour of the Institute for Atomic Energy, Moscow, October 2-12, 1958.

The following are on the staff of the Institute for Atomic Energy, working on Controlled Thermonuclear Reactions:

BELYAYEV, I. -- (I.N.Golovin Group).

SO: Project Matterborn, ABC Contract, Princeton University, undated, Unclassified.

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600034-6

30547 S/564/61/003/000/023/029 D207/D304

Preparing barium...

Armco iron crucible which was suspended at the top of the large crucible and submerged in the molten $K_2\text{CO}_3 \sim \text{Na}_2\text{CO}_3$ mixture. The large crucible was hermetically sealed and placed in a TT-1 (TG-1) furnace which was kept at a constant temperature (800, 850 or 900 $^{\circ}$ $^{\circ}$ $^{\circ}$ $^{\circ}$ 10°C) for 3 - 7 days. The best results were obtained after 7 days at 900°C: BaTiO₃ mono-

crystals produced in this way were up to 10 x 2 mm in size, light yellow in color, and with a Curie temperature of 110 - 115°C. Most of the monocrystals were of monodomain type. Their appearance and properties were described by I. N. Belyayev, N. S. Novosil'tsev, A. L. Khodakov and Ye. G. Fesenko (Ref. 4: Zhur. eksp. teor. fiz., 23, 211, 1952). There are 1 figure, 1 table and 13 references: 7 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: I. R. Remeika, J. Amer. Chem. Soc., 76, 3, 940, 1954; M. G. Harwood, H. A. Klassen, Nature, 165, no. 4185, 73, 1950.

Card 2/2

30547

S/564/61/003/000/023/029 D207/D304

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AUTHOR:

Belyayev, I. N.

TITLE:

Preparing barium titanate monocrystals under near-

isothermal conditions

SOURCE &

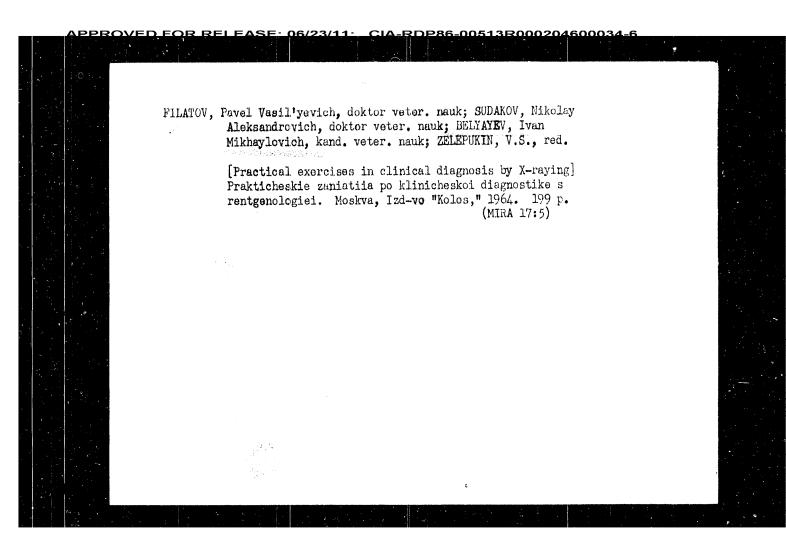
Akademiya nauk SSSR. Institut kristallografii. Rost

kristallov, v. 3, 1961, 447-450

TEXT: The author describes the preparation of BaTiO $_3$ monocrystals by allowing BaCO $_3$ and TiO $_2$ —which were not in immediate contact—to diffuse across a molten salt. After diffusion, the two components reacted, yielding BaTiO $_3$, which grew in monocrystalline form. The molten salt was a mixture of 40 mol.% K_2 CO $_3$ + 60 mol.% Na_2 CO $_3$ placed in a large (180 mm high, 70 mm diameter) Armco iron crucible. Molten TiO $_2$ was at the bottom of this crucible. BaCO $_3$ powder was placed in another (small)

Card 1/2

BELYAYEV, I. M., BESSAMMHOV, Z. F., (Candidates of Veterinary Sciences, Wascow Veterinary Academy). "Method of Phase Contrast Microscopy in Making a Study of Formed Blood Flaments." Veterinariya vol. 38., no. 11., November 1961., p. 77



BELYAYEV, I.M.; MUSHNIKOVA, K.S.; MILOVIDOVA, N.D., red.; STREL'TSOVA, N.P., red.; KANTOROVICH, A.P., tekhn. red. [Pests and diseases of grain crops] Vrediteli i bolezni zernovykh kul'tur. Izd.2. n.p. Sel'khozizdat, 1963. 34 p. (MIRA 16:10) (Grain-Diseases and pests)

BELYAYEV, I.M., doktor sel'skokhoz, nauk Basic measures for controlling pests of headed grain. Zashch. rast. ot vred. i bol. 7 no.9832-34 S '62. (MIRA 16:8) 1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva tsentral nykh rayonov nechernozemnoy zony. (Grain—Diseases and pests)
(Insects, Injurious and beneficial—Control)

BELYAYEV, I.M., doktor sel'skokhoz.nauk Protecting corn fields. Zashch. rast. ot vred. 1 bol. 8 nc.58 31-32 My '63. (MIRA 16:9) (Corn (Maize) - Diseases and pests)

BESSARABOV, B.F., kand. veterin. nauk; BELYAYEV, I.M., kand. veterin. nauk Method of phase-contrast microscopy in studying the formed elements of blood. Veterinariia 38 no.11:77-79 N '61. (MIRA 18:1) 1. Moskovskaya veterinarnaya akademiya.

RELYAYEV, I. M.

Resic measures against grain pests in the non-Chernozem zone.

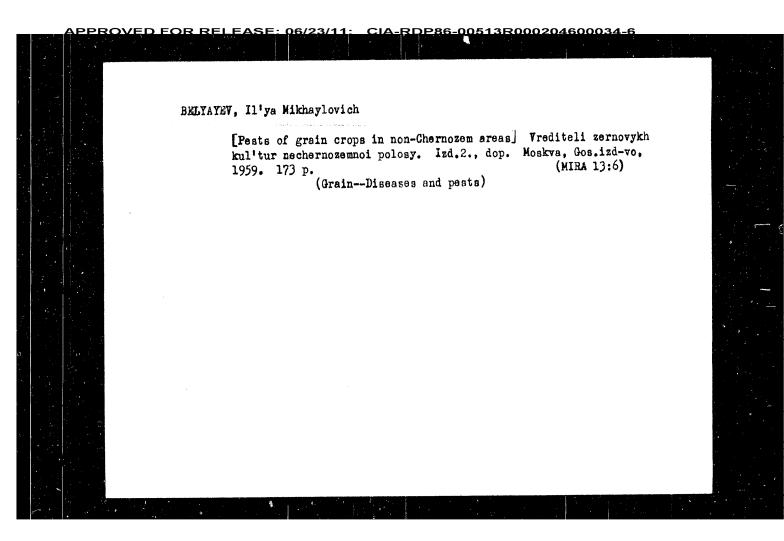
Resic measures against grain pests in the non-Chernozem zone.

Zashch. rast. ot vred. i bol. 5 no.6:22-24, Je *60.

(MIRA 16:1)

1. Zaveduyushchiy laboratoriyey zashchity rastoniy Nauchnoissledovatel*skogo instituta sel*skogo khozyaystva Nechernozemnoy polosy, Nemchinovka, Moskovskoy obl.

(Grain-Diseases and pests)



BELYAYEV, I. M.: Doc Agric Sci (diss) -- "Principles of a system of measures against the main pests of grain crops in the non-chernozem band". Moscow, 1958. 36 pp (Moscow Order of Lenin Agric Acad im K. A. Timiryanev), 110 copies (KL, No 6, 1959, 137)

USSR / Genoral and Special Zoology. Insects. Haraful P Insects and Arachnids. Posts of Grain Crops.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 54011.

Abstract: sprayed by a 2.4% (depending on the amount isonors) suspension of EAC with a 0.3% solution of 2.4 DU (300 litres/ha), the direct by the 3F decreased from 19-45 to 6-12%, while spraying with a 0.3% chlorothans or chlorophonol emulsion decreased the 3F numbers and the damage by the ribbon-footed cornfly 2/3 times. -- A. F. Adrianov.

USSR / General and Special Zoology. Insects. Hernful Insects and Arachnids. Posts of Grain Crops.

Abs Jour: Rof Zhur-Biol., No 14, 1958, 64011.

Abstract: increased the crop by 20%, while the dusting of corn in the phase of the second leaf (30 kg/ha) decreased the damage by the SF from 37 to 11%. Dusting of spring and winter wheat, barley, onts and rye in the phase of the second leaf and again in the phase of the third and fourth leaves with a preparation, containing 2% of EMC and 2% paradichlorobenzene (PDB), 30 kg/ha, decreased the damage by the 3F from 18-25 to 5-8%, by the ribbonfooted cornfly twice and increased the mount of cars and the crop by 22-25%. The damage to corn by the 3F was: when dusting in the phase of the second leaf by the preparation of EHC and PDB, 20%; when the seeds were treated with mercuran, 9%; in the control 57%. When spring wheat was

Card 2/3

USSR / General and Special Zoology. Insects. Eareful P Insects and Arachnids. Fests of Grain Crops. Abs Jour: Ref Zhur-Biol., No 14, 1958, 64011. : Scientific Resourch Agricultural Institute of : Belyayev, I. M. Author the Contral Regions of the Non-charnozen Belt. Inst : The Iffectiveness of Dusting and Spraying of Grain Crops Plantings in the Control of the Title Swedish Fly and Ribbon-footed Cornfly. Orig Pub: Byul. nauchno tokh. inform. n.i. in-ta zonlod. tsentr. rayonov nachornozom. polosy, 1957, 2, 32-34. Abstract: Dusting of spring wheat once or twice with a 12% BHC (12-15 kg/ha) decreased the damage by the Swedish fly (SF) from 53% to 20%, by the ribbon-footed cornfly from 26-50% to 4-13% and Card 1/3 33

BELYAVEN, T. M.

USSR/General and Special Zoology. Insects. Injurious

Insects and Ticks. Pests of Cereal Crops

P

Abs Jour : Ref Zhur - Bioli, No 11, 1958, No 49588

Author

: Belyayev I.M. : Institute of Agriculture of the Non-Chernozem Belt : Protection of Corn from Pests in the Non-Chernozem Inst Title

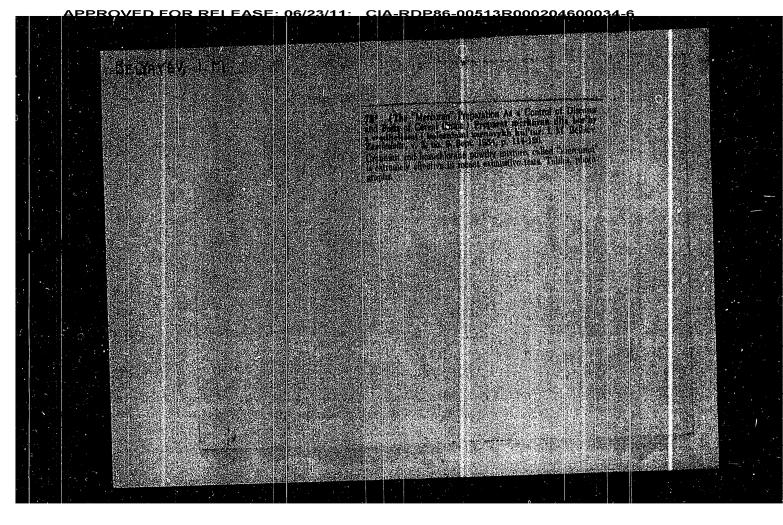
Belt.

Orig Pub: Zashchita rast, ot vredit. 1 bolezney, 1957, No 2,

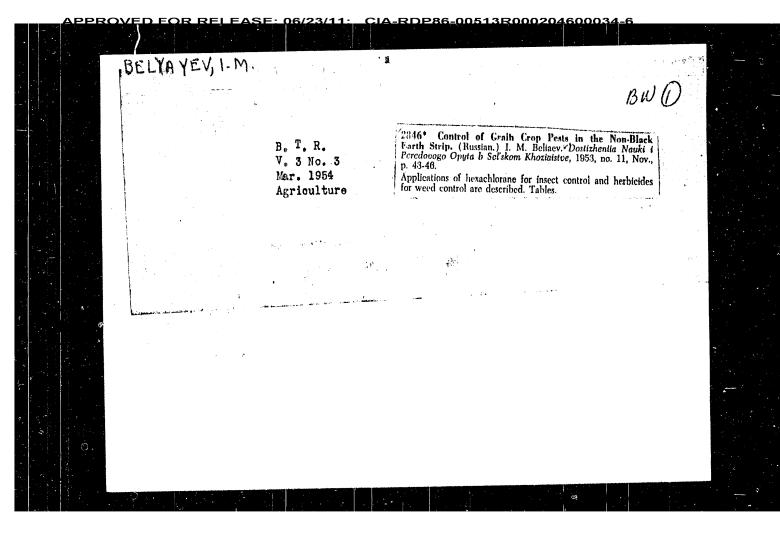
29-31

Abstract : To control wireworms, the institute of Agriculture of the Non-Chernozon Belt recommends the planting of corn at optimal periods on well-cultivated and fortilized plots and treatment of seeds with Mercuran (0.2 and 0.3 kg/c.), or first with Granozan (0.1 kg/c.) and then with 12% hexachlorocyclohexane (HCCH) dust (1 and 2 kg/c) according to the degree of infection with wireworms upto 5 and 20 specimens per 1 m². Agrotechnical

: 1/2 Card



BELYAEV, I.M. Vrediteli zernovykh kul'tur nechernozemnoi polosy (Grain crop pests in the nonchernozem belt). Moskva, Sel'khozgiz, 1954. 126 p. (V pomoshch'agronomu na proizvodstve) SO: Monthly List of Russian Accessions, Vol 7, No 9, Dec 1954

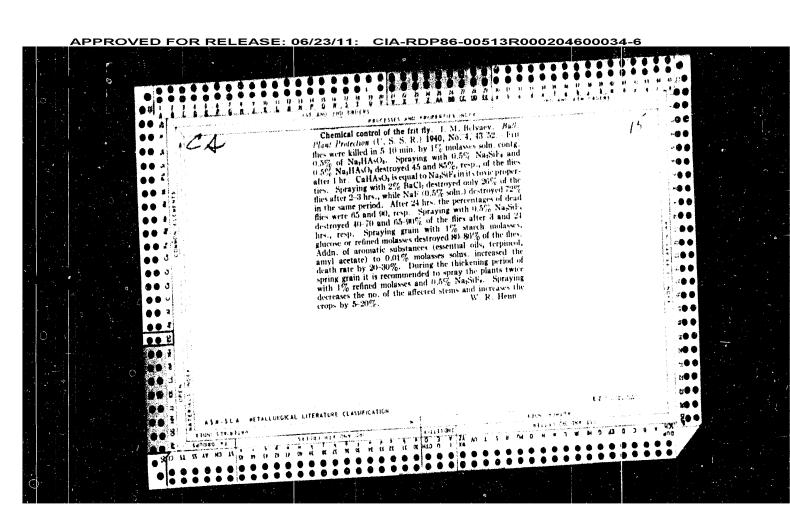


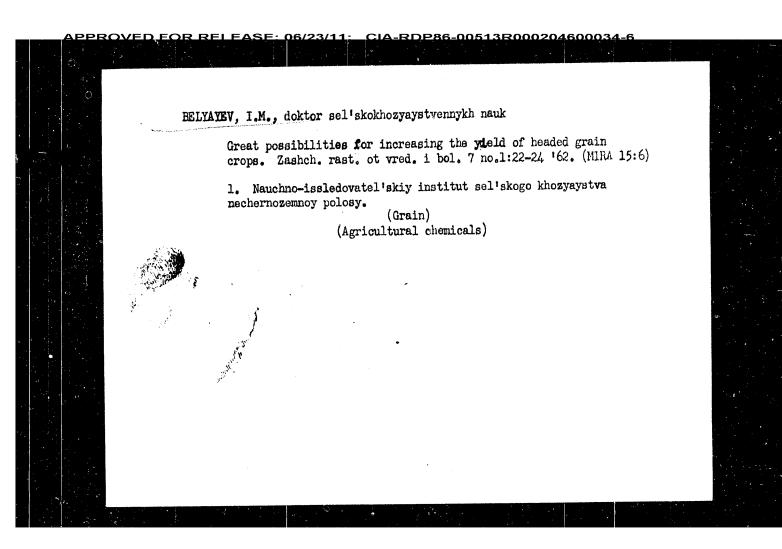
1. BELYAYEV, I. M.
2. USSR (600)
4. Agricultural Chemistry
7. Over-all chemical method for controlling grain crop pests, diseases and weeds, Sel. i sem., 19, No. 11, 1952.

BELYAYEV, I, M.

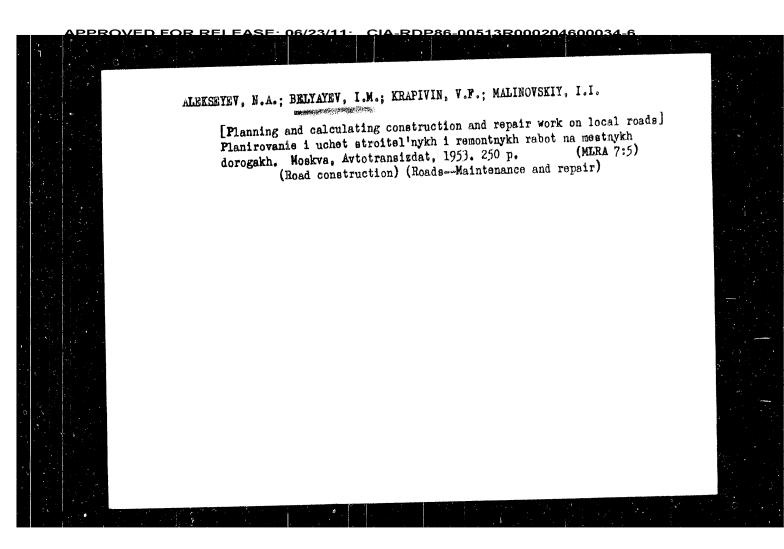
Belyayev, I. M. - "Agrotechnical measures for control of Chlorops pumilionis,"
Trudy Nauch.-issled. in-ta zernovero khoz-va nechernozem.
polosy SSSR, Issue 14, 1949, p. 97-110

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)





KAPSON, Aron Borukhovich; BHLYAYEV, I.M., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor tekhnicheskiy redaktor [Planning operations at the road machinery station] Planirovanie raboty v mashinodoroshnoi stantsii. Moskva, Nauchno-tekhn. izd-vo (MLRA 10:1) avtotransp. lit-ry, 1956. 79 p. (Road machinery)



USSR/Blood and Homatopolotic Organs

Abs Jour: Ref Zhur - Biol., No 5, 1958, No 21714

noticeable azurophilic granuletion or is weakly pronounced and granules are distinct. Reticule-endothelial cells (0-0.5%) are rounded, of various size, with large locse nuclous and a narrow rim of cytoplasm (to times with small or large azurophilic granules). Mitoses are soldem found in the puncture (specimen).

<u> APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600034-6</u>

USSR/Blood and Homatopoiotic Organs

S-2

Abs Jour : Rof Zhur - Biol., No 5, 1958, No 21714

with a pale violet protoplasm and dark violet granules, cosinophilic (2.8-3.6%) with the pale blue protoplasm containing small pink granules, and the psoudocosinophilic ones (20-26%) whose blue or pink protoplasm contains rodlike red granules. The cells of the crythroid series are represented by procrythroblasts (4-6.2%) with homogeneous nuclei and 2-3 hardly noticeable small nucleoli, erythroblasts (14-18%) whose nuclei are more compact and contain no nucleoli and whose protoplasm is basophilic, and normoblasts (16.3-20%) with weakly oxiphilic protoplasm and compact nucloi with radially situated chromatin. Megakaryocytes (0.5-1.2%) are large cells with a large loose nucleus and azurophilic granulation in the cytoplasm. The Turk cells (0.5-1.2%) have different sizes and shapes; the protoplasm is distinctly basephilic and a small nucleus lies accentrically. The Ferrata cells (0-0.3%) are large, frequently polygonal cells whose round, irregularly shaped and loose is accentrically located and contains 2-3 nucleoli. Protoplasm is well pronounced and contains slightly

Card

: 2/3

5-2 USSR/Blood and Homatopoietic Organs Abs Jour : Ref Zhur - Biol., No 5, 1958, No 21714 : Bolyayov, I.M. **Author** : Not Given Inst : Morphology of Hen Bone Merrow Title Orig Pub : Tr. Mosk. vot. sknd., 1955, 13, 138-142 Abstract: A study was made of the bone marrow of the metatersal bone in 87 clinically healthy hons. Differential count was arrived at by counting 1000 cells. A following morphology of bone marrow cells was established. Mycloblasts (0.8-2.9%) are large colls with a rounded nuclous with a delicate lacelike structure. Protoplasm is agranular. Promyelocytes (5.8-8.5%) have a more compact nucleus of irregular shape. The protoplesm which currounds the nucleus as a broad rim contains unevenly distributed granules. Myelocytes contain large, round, oval or rodlike nuclei. According the characteristics of the protoplasm and the granules which are found in great numbers in it, the myelocytes may be divided into basophilic (1.9-2.6%) : 1/3 Card

BELYAYEV, I. E. "Clinical Hematological Indicators in Leukoses and Sarcomatosis of Chickens." [RZhBiol, No 4, Feb 55] Land Vet Sci. Moscow, Veterinary Acalemy, hoscow, 1954. (RZhBiol, No 4, Feb 55) So: Sum. No; 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

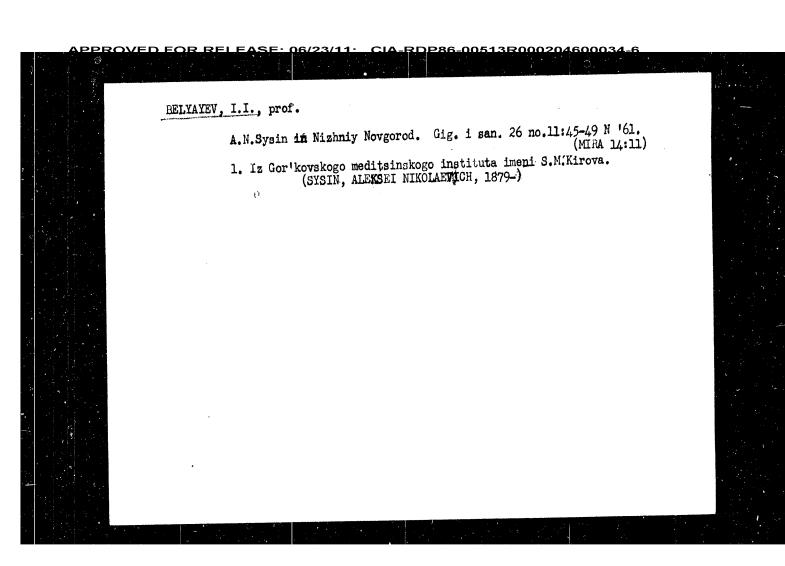
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RELYAYEV, I.I., prof.; BLIOKH, S.S., kand. med. nauk; GABOVICH, R.D., prof.; CORBOV, V.A., dots.; ZHABOTINSKIY, V.M., prof.; ZASLAVSKAYA, R.M., kand. med. nauk; KIBAL'CHICH, I.A., kand. med. nauk; KROTKOV, F.G., prof.; MOGILEVSKIY, Ya.A., kand. med. nauk[deceased]; TRAKHTMAN, N.N., dots.; CHERKINSKIY, S.N., prof.; GOROMOSOV, M.S., doktor med. nauk, red.; RYAZANOV, V.A., prof., red.; BUSHTUTEVA, K.A., dots., red.; SELESKIRIDI, I.G., dots., red.; OSTROVERKHOV, G.Ye., prof., glav. red.; PETROVA, N.K., tekhn. red.

[Manual on communal hygiene]Rukovodstvo po kommunal'noi gigiene. Moskva, Medgiz. Vol.2. 1962. 763 p. (MIRA 15:12)

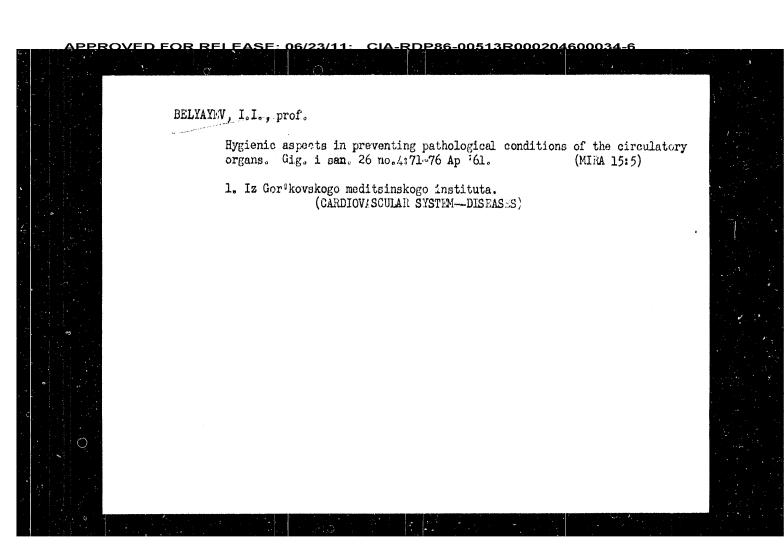
1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Krotkov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Cherkinskiy, Ryazanov).

(SOIL DISINFECTION) (WATER SUPPLY)

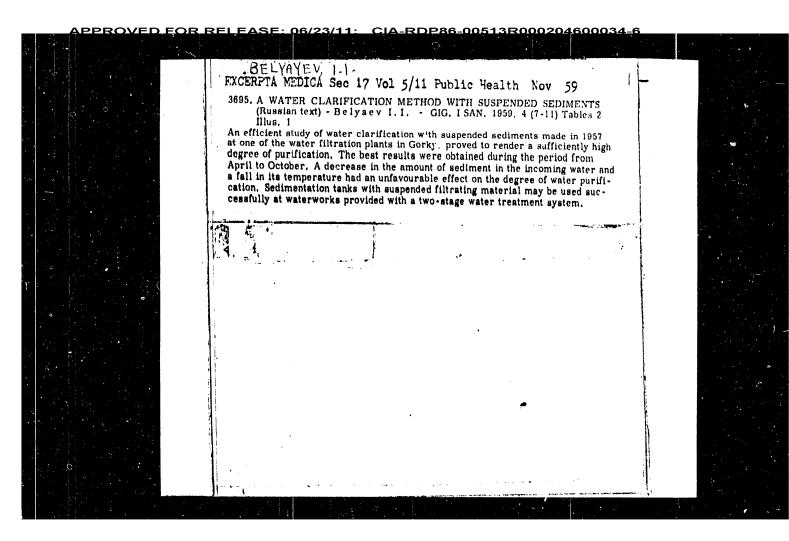


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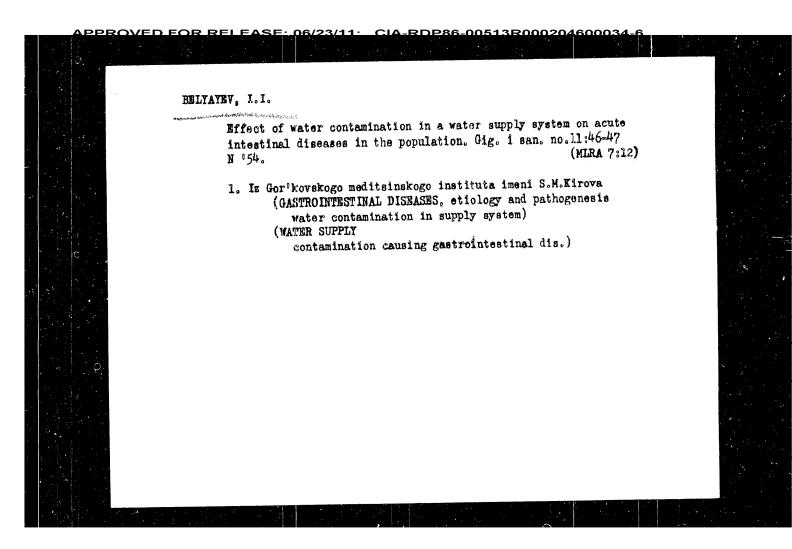
BELYATAY, J.L. professor; BUDRIN, R.H., professor; YURESOVA, T.S., vrodenser; YURESOVA, T.S., vrodense

BENYATET, Igor' Impolitovich, doktor med.neuk; GARANINA, L.F., red.;

ZAKHAROV, K.A., tekhn.red.

[Personal hygiene] Lichnais gigiens. Gor'kovskos knizhnos izd-vo,
(MIRA 12:3)

(HYGIENE)



BELYATEV, I.I.; SHIFEIN, N.K.
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 "Communal hygiene." S.N. Cherkinskiy, an article published in vol. 2 of the Great Soviet Encyclopedia, 2d ed., 1952, Reviewed by N.K. Shifrin, I.I. Beliaev. Gig. i san. no. 3, 1953.
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1. EELYAYEV. I. I. MINEYEV. A. M.
2. USSR (600)
4. Gor'kiy-Public Health
7. Reorganization of activities of the sanitary-epidemiologic organization in Cor'kiy. i Sov.zdrav. 11 no D '52

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

DELYAYEV, I. I.

PA 70793

May 1948

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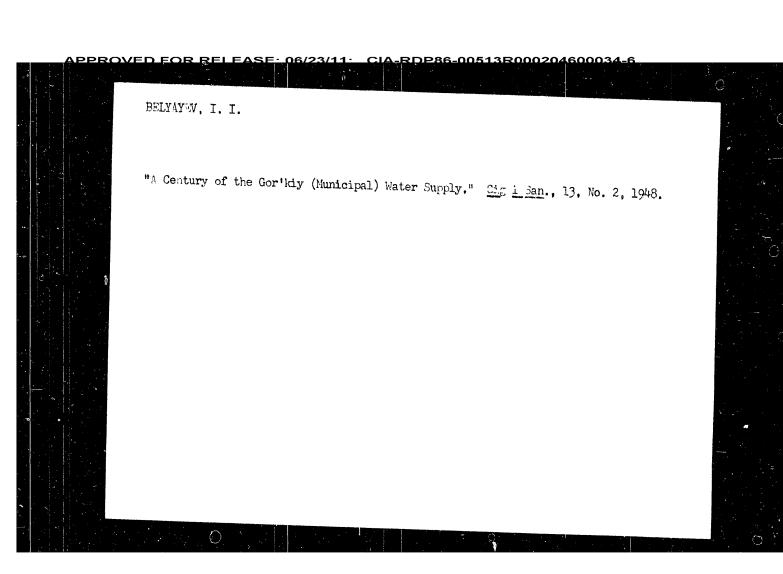
May 1948

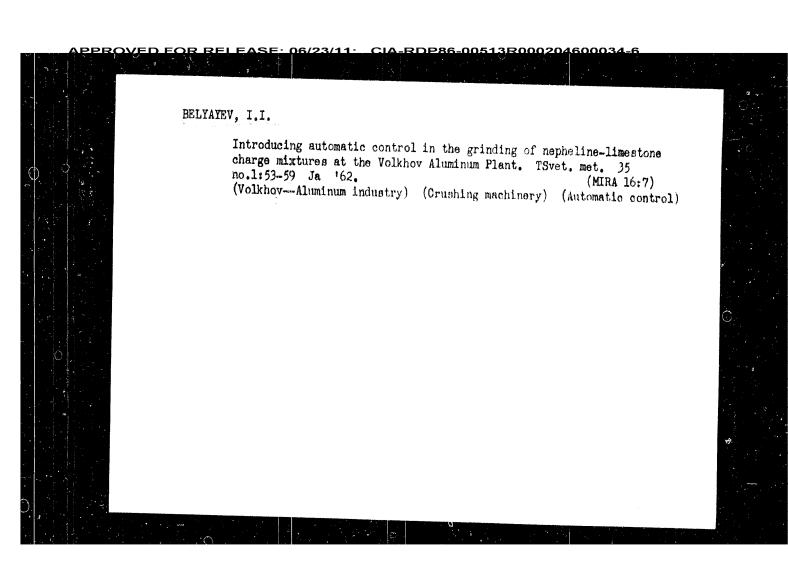
May 1948

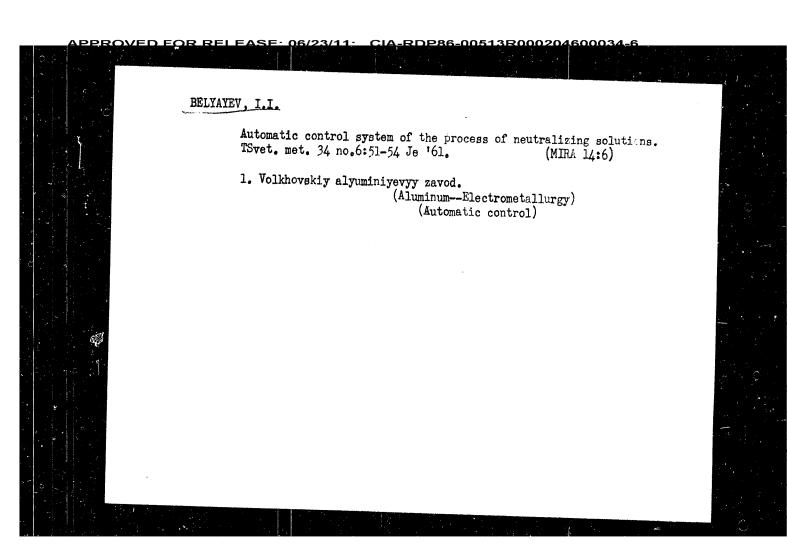
Tomatory Control for the Quality of Tap Water, I. I. Belyayev, I p

"dig i San" Vol XIII, No 5

Gives results of water tests on the Gor'kiy municipal water supply, 26 and 27 Aug 1944. Found source of contamination to be sunken barge (salt cargo), which net with disaster in the river above Gor'kiy.







307/101-59-4-3/10

An Automatic Dosing and Consumption-Measuring Device for Feeding Rotary Kilns with Slurry

automatic regulation with so called dynamic connections. The type EPID consumption dose-measuring device, with a rheostat pickup built in, has a secondary apparatus, acting as a pickup for regulated parameters of the system. The author concludes that: 1. The design of the consumption dose-measuring device has been accomplished. 2. A standard apparatus has been chosen for uninterrupted remote control and recording of the slurry consumption. 3. A new system of an automatic feeding regulation, of a rotary kiln, using the dose-measuring device has been accomplished. 4. The dose-measuring device may be used for a quantitative registration of slurry, and also in the systems of automatic regulation of feeding rotary kilns, and of dosing of the fluid components into the mills. There are 3 diagrams, 1 graph, and 1 table.

Card 3/3

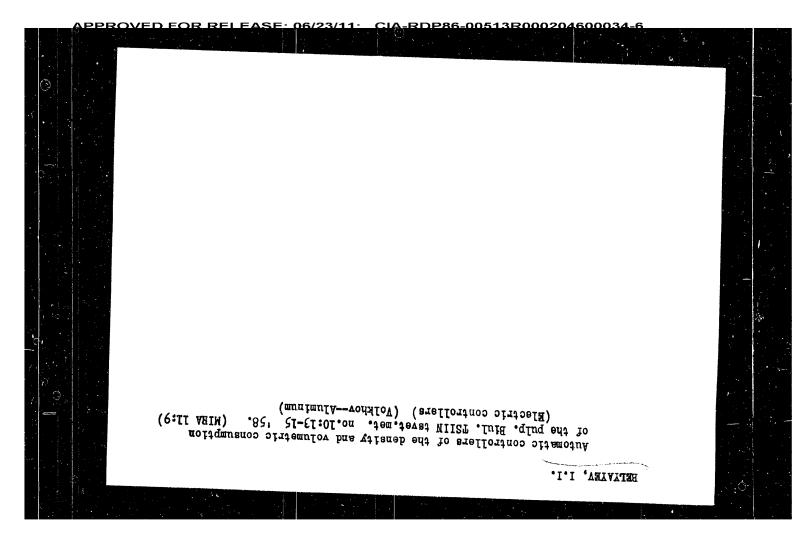
SOV/101-59-4-3/10

An Automatic Dosing and Consumption-Measuring Device for Feeding Rotary Kilns with Slurry

included into the scheme of the automatic regulation. A scheme of the receiver of the dosing and consumption-measuring device is shown in diagram 1 (Figure 1). The author quotes a short calculation of interdependence between the consumption of the slurry and the height of the flow level of the liquid mass, leading to the definition of the profile of the slurry's flow orifice. Graph 2 (Figure 2) illustrates the relation between the consumption and the height of the level of the liquid flow. Table 1 contains calculation data of the slurry dosing hopper. The latter consists of two cylindrical chambers - one receiving, and one pouring chamber, separated one from another by a baffle plate with a diaphragm, diagram 3 (Figure 3). This diagram also includes a general scheme of the feeding regulator, consisting of the electronic regulating apparatus ER-III-54, permitting a high quality

Card 2/3

507/101-59-4-3/10 15(6) AUTHOR: Belyayev, I.I. An Automatic Dosing and Consumption-Measuring TITLE: Device for Feeding Rotary Kilns with Slurry PERIODICAL: Tsement, Nr 4, pp 8-13 (USSR) ABSTRACT: The author states that volumetric measurement of slurry consumption has a practical significance for the cement industry. A dosing and consumptionmeasuring device has been designed and adapted at the Volkhovskiy aluminiyevyy zavod (Volkhov Aluminum Plant). The basic features of the device are to be: 1. It must be used as one of the methods of liquid consumption measurement; 2. Readings are to be independent of the specific weight of the slurry 3. Evenness in regulation of the slurry consumption 4. A remote control and summarizing of the slurry consumption by means of using common industrial secondary automatic appara-Card 1/3 tuses 5. Possibility of the use of the device



Automatic Measuring and Regulating Device for the Density and Volumetric Flow of Nepheline-Lime Pulp and Slurry

proportional regulator (Figs. 5, 6 and 7, respectively). mation of the filter-thickeners at the Volkhov Aluminum Plant (Volkhovskiy alyuminiyevyy zavod) is said to mave improved their operation and the density meters are being incorporated in designs by the Giproalyuminiy Institute. Examples of design calculations for the density and flow meters are given. Standard instruments suitable for incorporation in the density meter are discussed and named as follows: membrane differential manometers Λ M-1 and Λ M-6 with a secondary recording electronic instrument types BM-2 or $M\Lambda$. There are 9 figures, 1 table and 3 Russian references.

CIA-RDP86-00513R00020460003

AVAILABLE: Library of Congress

Card 2/2

BE LYNYEU, I.I.

AUTHOR:

Belyayev, I.I.

136-12-11/18

TITLE:

Automatic Measuring and Regulating Device for the Density and Volumetric Flow of Nepheline-Lime Pulp and Slurry

(Avtomaticheskiy izmeritel'-regulyator plotnosti i ob'yemnogo

raskhoda nefelinovo-izvestkovov pul'py i shlama)

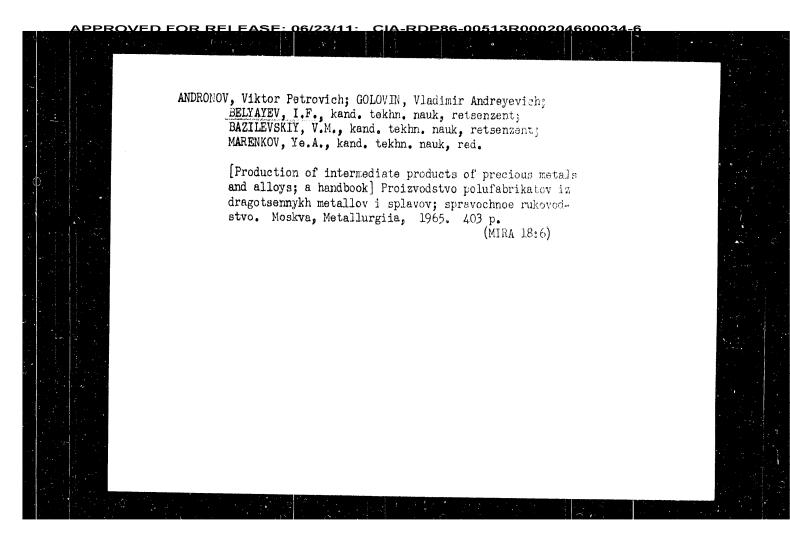
: Tsvetnyye Metally, 1957, No. 12, pp. 51 - 59 (USSR). PERIODICAL:

ABSTRACT: In this article, the principles for the design of an instrument for the simultaneous measurement of pulp density and volumetric flow are set out and the design developed by the author and adopted at the Volkhov Aluminum Plant is described. No sets of instruments are in production for the automatic testing and regulation of the density of pulp in hydrochemical production processes, hence the need for the development of such instru-By constantly passing water through the instrument (Fig.1) an accuracy of + 1% is obtained in density measurements. Flows are measured on the basis of density measurement combined with a special diaphragm (Fig. 2) and orifice (Fig. 3). deals with applications of the instruments, such as for the automatic control of the operation of a filter-thickener and shows a circuit and layout diagram (Fig.4) and designs for the differential manometer, secondary electrical instrument and Card 1/2

BELYN, i.d., inch.

Rew coment car. Stroi. i dor. mach. i nc.3:22-23 3 161.

(Tank cars)
(Cement—Transportation)



MOSHKOV, Aleksey Dmitriyevich, kand.tekhn.nauk; USPENSKIY, Yakov Viktorovich, kand.tekhn.nauk; BENYAYEV, I.F., kand.tekhn.nauk, red.; DWOHAN, W.A., tekhn.red.

[Technology of production and use of porous bearings] Tekhnologia proisvodstva i primenenie poristykh podshipnikov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit,lit-ry, 1959. 81 p.

(Bearings (Machinery)) (Powder metallurgy)

Influence of 136-6-12/26

Influence of mon-metallic Additions on the Strength of Platinum at High Temperatures.

sintered product was similar to ordinary platinum. The microstructures of the two materials are illustrated. The work showed that strength at 1 200 °C was improved by several-fold (e.g. by a factor of 4.3 with 0.05% BaO) by the addition of metal oxides, without loss of plasticity. The treated platinum has a finer block and grain structure than the untreated, which contributes together with the presence of dispersed oxide particles at the grain boundaries and in the grains, to the improvement in hot strength obtained by adding metal oxides. The X-ray tests showed that re-crystallisation temperature is also raised by metal-oxide addition. There is one non-Slavic reference. There are 5 figures and 2 tables.

AVAILABLE: Library of Congress

Card 2/2

BELYAYE

AUTHOR: Belyayev, I.F.

136-6-12/26

TITLE:

Influence of Non-metallic Additions on the Strength of Platinum at High Temperatures. (Vliyaniye nemetallicheskikh dobavok na prochnost'platiny pri vysokikh temperaturakh)

PERIODICAL: Tsvetnyye Metally, 1957, 20ino.6, pp. 57-61 (USSR)

It is to be expected that the high-temperature mechanical ABSTRACT: properties of sintered platinum would be improved by the presence of small amounts of finely dispersed non-coagulating nonmetallic particles. In the experiments described in this article, the non-metallic additions tested separately were the oxides of aluminium, beryllium, barium and zirconium in concentrations of 0.5, 0.1 and 0.05% each (not 0.5 for BaO). To prepare the test specimens ammonium chloroplatinate was moistened with a solution of the appropriate metal nitrate and calcined; the powder obtained was pressed at 1.5 tons/cm² and briquettes were sintered at 1500 °C from which 0.5 mm diameter wire was prepared. Tensile tests were carried out on the wire at 600 - 1 200 °C, and the tensile strengths and relative elongations obtained are plotted against temperature and also tabulated. X-ray structural methods were used to study re-crystallisation effects. In its corrosion resistance when boiled in hydrofluoric acid

CIA-RDP86-00513R000204600034

Belyayer, L. E.

137-1957-12-23606 D

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 108 (USSR)

AUTHOR:

Belyayev, L.F.

TITLE:

The Technology for the Production of Metallo-Ceramic Platinum and the Effect of Non-Ferrous Additions on Its High-temperature Strength (Tekhnologiya polucheniya metallokeramicheskoy platiny i vliyaniye nemetallicheskhikh dobavok na yeye prochnost pri

vysokikh temperaturakh)

ABSTRACT:

Bibliographic entry on the Author's dissertation for the degree of Candidate of Technical Sciences, presented to Ural'skiy politekhn. in-t. (Ural Polytechnic Institute). Sverdlovsk, 1957

ASSOCIATION: Ural'skiy politekhn. in t. (Ural Polytechnic Institute), Sverdlovsk

1. Metallo ceramic platinum-Production

Card 1/1

Production Technology and Properties of Sintered Platinum.

which govern volume change during sintering. Increases in volume of high-pressure briquettes are due appreciably to gases. The recrystallization and other effects associated with cold plastic deformation accelerate sintering and give platinum with a stable density. Sintered platinum is stronger than ordinary and can be obtained in a purer form and with pores of controlled size. The greater strength of the sintered product is attributed to the presence of non-volatile salt particles. There are 7 figures, 4 tables and 9 references, 8 of which are Slavic.

AVAILABLE: Library of Congress

2/2

BELYAYEV, I.F.

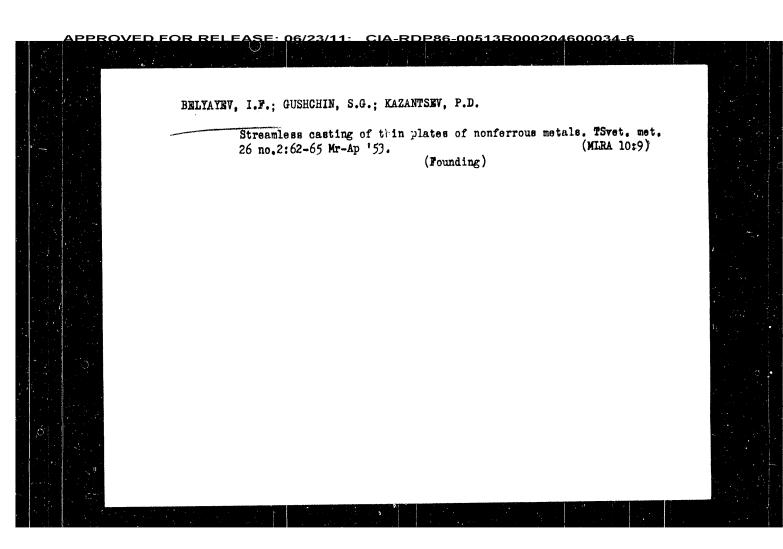
AUTHOR: Belyayev, I. F.

136-3-10/25

TITLE: Production Technology and Properties of Sintered Platinum. (Tekhnologiya polucheniya metallokeramicheskoy platiny i yeye svoystva).

PERIODICAL: Tsvetnyye Metally, 1957, No.3, pp.51-58 (USSR)

ABSTRACT: Platinum produced by powder metallurgy has many advantages and uses and some experiments on its preparation and properties were therefore undertaken by the author. The specimens were prepared by grinding sponge (from technically pure ammonium chloroplatinate) to pass through a 20-megh sieve, re-calcining, compressing at 0.25 to 20 tons/cm2 into briquettes and sintering at 1200, 1500 and 1700 C, with density measurement every ten minutes. Plots of density against pressure for various times and against time with and without forging. Data showing the change in density when using vacuum sintering at 1700 C are tabulated as are the densities of ordinary (cast, forged, forged and annealed) and annealed sintered platinum and the tensile strengths and relative elongations for various annealing temperatures. Photomicrographs of briquette structures before and after 1/2 sintering are shown. The results showed that there is a critical pressure for each temperature and time of sintering



VLASOV, Ivan Ivanovich, doktor tekkm. nauk, prof.; nELYAYEV, I.A., red.

[Contact network] Kontaktmala set'. Izd. 3., dop. i isp. Moskva, Transport, 1964. 391 p. (MHA 17:10)

1. Vsesoyuznyy nauchno-isslodovatel'skiy institut zhelezno-dorozhnogo transporta (for Vlasov).

BELYAYEV, I.A., ingh.; VETROV, N.I., ingh.; MARGOLIS, S.M., ingh.;
BORZENKO, Ye.A., ingh., retsengent; MINHEYEV, V.P., kand.
tekhn. rauk, retsengent; CORCHAROVA, O.D., ingh., red.;
VOROBYEVA, L.V., tekhn red.

[Installation, operation and repair of overhead contact
systems] Montagh, ekspluatatisia i remont kontaktnoi seti.
Moskva, "Transport," 19(M. 294 p. (MIRA 17:3)